

Product datasheet for **RG224032**

KLHL7 (NM_018846) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHL7 (NM_018846) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLHL7
Synonyms:	CISS3; KLHL6; PERCHING; SBB126
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG224032 representing NM_018846
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCCAGGAAAGAAAGATACCTGCTCATCGTGTGTTCTTGCTGCAGCCAGTCATTTTTTAACTTAA
 TGTTCACTAACATGCTTGAATCAAAGTCCTTTGAAGTAGAACTCAAAGATGCTGAACCTGATATTAT
 TGAACAACTGGTGAATTTGCTTATACTGCTAGAATTTCCGTGAATAGCAACAATGTTTCAGTCTTTGCTG
 GATGCAGCAAACCAATATCAGATTGAACCTGTGAAGAAAATGTGTGTTGATTTTTTGAAGAACAAGTTG
 ATGCTTCAAATTTGCTTGGTATAAGTGTGCTAGCGGAGTGTCTAGATTGCCTGAATTGAAAGCAACTGC
 AGATGACTTTATTCATCAGCACTTTACTGAAGTTTACAAAATGATGAATTTCTCAACTGATGTCAAG
 CGAGTAACACATCTTCTCAACCAGGACTCTGACTGTGAGAGCAGAGGATCAGGTTTATGATGCTGCAG
 TCAGGTGGTTGAAATACGATGAACCTAATCGCCAGCCATTTATGGTTGATATCCTTGCTAAAGTCAGGTT
 TCCTCTTATATCAAAGAATTTCTTAAGTAAAACGGTACAAGCTGAACCACTTATCAAGACAATCCTGAA
 TGCCCTTAAGATGGTGATAAGTGAATGAGGTACCATCTACTGTCTCCAGAGGACCGAGAAGAACTGTAG
 ATGGCACAAAGACCTAGAAGAAAGAAACATGACTACCGCATAGCCCTATTTGGAGGCTCTCAACCACAGTC
 TTGTAGATATTTAAACCAAAGGATTATAGCTGGACAGACATCCGCTGCCCTTTGAAAAACGAAGAGAT
 GCAGCATGCGTGTGTTGGGACAAATGTAGTATACATTTGGGAGGCTCTCAGCTTTTCCCAATAAAGCGAA
 TGGACTGCTATAATGTAGTGAAGGATAGCTGGTATTCGAAACTGGGTCTCCGACACCTCGAGACAGCCT
 TGCTGCATGTGCTGCAGAAGGCAAAATTTATACATCTGGAGGTTGAGAAGTAGGAACTCAGCTCTGTAT
 TTATTTGAGTGTATGATACGAGAAGTAAAGCTGGCACAAAAGCCAGCATGCTGACCCAGCGCTGCA
 GCCATGGGATGGTGAAGCCAATGGCCTAATCTATGTTTGTGGTGAAGTTTAGGAAACAATGTTTCTGG
 GAGAGTGTCTAATTCCTGTGAAGTTTATGATCCTGCCACAGAAACATGGACTGAGCTGTGTCCAATGATT
 GAAGCCAGGAAGAATCATGGGCTGGTATTTGTAAGACAAGATATTTGCTGTGGGTGGTCAAGATGGTT
 TAGGTGGTCTGGACAATGTGGAATATTACGATATTAAGTTGAACGAATGGAAGATGGTCTCACCAATGCC
 ATGGAAGGGTGAACAGTAAATGTGCAGCAGTTGGCTCTATAGTTTATGTCTTGGCTGTTTTCAGGGT
 GTTGGTCGATTAGGACACATTCTCGAATAAATACCGAAACAGACAAATGGGTTGCCAACTCCAAAGTTC
 GTGCTTTCCAGTCACAAGTTGTTAATTTGTGTTGTCGATACTTGTGGAGCAAATGAAGAGACCCTTGA
 AACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG224032 representing NM_018846
 Red=Cloning site Green=Tags(s)

MVQERKIPAHRVVLAASHFFNLMFTTNMLESKSFEVELKDAEPDIEQLVEFAYTARISVNSNNVQSLL
 DAANQYQIEPVKKMCDVFLKEQVDASNCLGISVLAECLDPELKATADDFIHQHFTEVYKTDFLQLDVK
 RVTHLLNQDTLTVRAEDQVYDAAVRWLKYDEPNRQPFMVDILAKVRFPLISKNFLSKTVQAEPLIQDNPE
 CLKMVISGMRYHLLSPEDREELVDGTRPRRKHDIYRIALFGGSQPQSCRYFNPKDYSWTDIRCPFEKRRD
 AACVFWDNVVYILGGSQLFPIKRMDCYNVVKSWSYKLGPPTPRDSLAAACAAEGKIYTSGGSEVGNALY
 LFECYDTRTESWHTKPSMLTQRCSHGMVEANGLIYVCGGSLGNNVSGRVLNSCEVYDPATETWTELCPMI
 EARKNHGLVFKDKIFAVGGQNGLGGLDNVEYYDIKLNWKMVSPMPWKGVTVKCAAVGSIYVVLAFGQ
 VGRLGHILEYNTETDKWVANSKVRAFPVTSCLICVVDTCGANEETLET

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_018846
ORF Size:	1614 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_018846.5
RefSeq Size:	3279 bp
RefSeq ORF:	1617 bp
Locus ID:	55975
UniProt ID:	Q8IXQ5
Cytogenetics:	7p15.3
Domains:	BTB, Kelch
Gene Summary:	This gene encodes a BTB-Kelch-related protein. The encoded protein may be involved in protein degradation. Mutations in this gene have been associated with retinitis pigmentosa 42. [provided by RefSeq, Feb 2010]